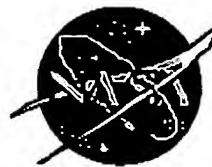


National Aeronautics and
Space Administration

Ames Research Center
Moffett Field, California 94035-1000

RECEIVED
CENTRAL FAX CENTER

NOV 03 2006



Date: 11/03/06

Number of pages including cover sheet: 15

TO:	Box Amendments Attn: Wilbert Starks, Patent Examiner GAU 2129	
OF:	USPTO	
FAX:	571-273-8300	PHONE:
FROM:	Vickie Kent Paralegal Specialist	
OF:	NASA Ames Research Center Mail Stop 202A-4 Moffett Field, CA 94035-1000	
FAX:	(650) 604-2767	PHONE: (650) 604-0887

Appl. No.: 10/789,029

Examiner: Wilbert Starks

Applicant: David L. Iverson.

Docket No.: ARC-15058-1

Filed: 24 February 2004

Customer No.: 25186

TC/A.U.: 2129

Confirmation No. 7135

The following correspondence is attached:

Transmittal Form (1 page)

Fee Transmittal (1 page)

Amendment (10 pages)

Petition to Extend Time (1 page, in duplicate)

Certificate of Transmission under 37 CFR 1.8

I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office

on 03 November 2006

Date

John F. Schipper
Signature

John F. Schipper
Typed or printed name of person signing Certificate

Privacy and Confidentiality

This document contains confidential information protected by the attorney-client or other applicable privileges, or constitutes non-public information. It is intended only for the designated recipient(s). Use, dissemination, distribution, or reproduction of this information by unintended recipients is not authorized.

RECEIVED
CENTRAL FAX CENTER

PTO/SB/21 (09-06)

Approved for use through 03/31/2007, OMB 0651-0031

NOV 03 2006

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**TRANSMITTAL
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number	10/789,024
Filing Date	24 February 2004
First Named Inventor	David L. Iverson
Art Unit	2129
Examiner Name	Wilbert L. Starks
Attorney Docket Number	ARC-1505B-1

ENCLOSURES (Check all that apply)

<input checked="" type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Amendment/Reply	<input type="checkbox"/> Petition	<input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Power of Attorney, Revocation	<input type="checkbox"/> Status Letter
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Reply to Missing Parts/ Incomplete Application	<input type="checkbox"/> Landscape Table on CD	
<input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm Name	N.A.S.A. Amas Research Center		
Signature	<i>John F. Schipper</i>		
Printed name	John F. Schipper		
Date	03 November 2006	Reg. No.	26,994

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

Signature	<i>John F. Schipper</i>		
Typed or printed name	John F. Schipper	Date	03 November 2006

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

NOV 03 2006 15:44 FR CHIEF COUNSEL HRC 650 604 2767 TO 715712738300

P.03

RECEIVED
CENTRAL FAX CENTER

NOV 03 2006

Approved for use through 01/31/2007. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Effective on 12/08/2004.

Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

FEE TRANSMITTAL For FY 2006

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$)
1020.00

Complete if Known

Application Number	10/789,029
Filing Date	24 February 2006
First Named Inventor	David L. Iverson
Examiner Name	Wilbert L. Starks
Art Unit	2129
Attorney Docket No.	ARC-1505B-1

METHOD OF PAYMENT (check all that apply)

Check Credit Card Money Order Nonc Other (please identify):

Deposit Account Deposit Account Number: **14-0116** Deposit Account Name:

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) Indicated below Charge fee(s) Indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17 Credit any overpayments

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description

Each claim over 20 (including Reissues) **Fee (\$)** **Small Entity Fee (\$)**

Each independent claim over 3 (including Reissues) **Fee (\$)** **Small Entity Fee (\$)**

Multiple dependent claims **Fee (\$)** **Small Entity Fee (\$)**

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)	Multiple Dependent Claims	Fee (\$)	Fee Paid (\$)
- 20 or HP =	x	=				

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims **Fee (\$)** **Small Entity Fee (\$)**

- 3 or HP = **Fee (\$)** **Small Entity Fee (\$)**

HP = highest number of independent claims paid for, if greater than 3.

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/ 50 =	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification. \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

SUBMITTED BY:

Signature	<i>John F. Schipper</i>	Registration No. (Attorney/Agent)	26,994	Telephone	650-604-0887
Name (Print/Type)	<i>John F. Schipper</i>			Date	03 Nov. 2006

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.